



Launch Mission Execution Forecast

Mission: Falcon 9 Starlink 4-6

Issued: 16 Jan 2022 / 0900L (1400Z)

Valid: 17 Jan 2022 / 1916 – 2136L (18/0016 – 0236Z)



Forecast Discussion: Expect considerable cloudiness with windy conditions today as a low pressure area moves into the Carolinas, dragging a cold front through Central Florida. Rain showers with isolated thunderstorms will taper off after noon along the Space Coast, but winds will remain gusty for some time. Clouds will diminish through the day Monday at the Spaceport, leaving gusty winds as the primary launch weather threat.

On Tuesday, high pressure will settle overhead making for a chilly morning, but excellent launch weather conditions.

Launch Day	Probability of Violating Weather Constraints					
	30%	Primary Concerns: Liftoff Winds				
	Weather Conditions				Additional Risk Criteria	
	Weather/Visibility: None / 7 mi.	Type	Coverage	Base (ft)	Tops (ft)	Upper-Level Wind Shear: Moderate
	Temp/Humidity: 53°F / 62%	Cirrus	Few	28,000	30,000	Booster Recovery Weather: Moderate
24-Hour Delay	Liftoff Winds (200'): 280° 20 - 25 mph					Solar Activity: Low
	Probability of Violating Weather Constraints					
	<10%	Primary Concerns: Liftoff Winds				
	Weather Conditions				Additional Risk Criteria	
	Weather/Visibility: None / 7 mi.	Type	Coverage	Base (ft)	Tops (ft)	Upper-Level Wind Shear: Low
	Temp/Humidity: 52°F / 77%	Stratocumulus	Few	2,500	4,000	Booster Recovery Weather: Low
	Liftoff Winds (200'): 020° 5 - 10 mph	Cirrus	Few	30,000	32,000	Solar Activity: Low
Note: The Probability of Violation (POV) is the chance that a Lightning Launch Commit Criteria (LLCC) or certain user constraints (surface winds, precipitation, and temperatures, etc.) will be violated during the launch window. It does not take into account upper-level wind shear, booster recovery weather, and solar activity.						
Next Forecast Will Be Issued		As Required				